

## PATENT ABSTRACTS OF JAPAN

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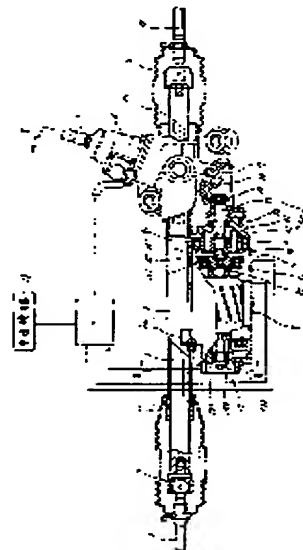
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## (54) POWER STEERING

## (57)Abstract:

PURPOSE: To obtain an optimum steering feeling according to a driver's liking, the road state, the running state, and the like by preparing plural kinds of characteristic data for the control time to be stored in a storage means, and selecting plural control data.

CONSTITUTION: In the motor-driven power steering, the torque of a steering assisting motor 8 is transmitted to a pinion shaft 3 through an electromagnetic clutch 16, a planetary gear reduction gear 9 and a small bevel gear 32 meshed with a large bevel gear 31 rigidly secured at the lower end part of the pinion shaft 3 to which the steering force of a steering wheel is transmitted. The steering force applied to the pinion shaft 3 from the steering wheel is thus assisted. The motor 8 is controlled by a control part 7 on the basis of the output of detecting means such as a torque sensor 6 and a vehicle speed detector 18. In this case, the control part 7 is stored with plural control data with plural kinds of characteristics determined by the relation between the output data of the detecting means and the value related to the driving current, and these control data are appropriately selected to control the motor.



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